

NOTES ON BROMELIACEAE, VIII

Lyman B. Smith

TROPICAL AMERICA

PITCAIRNIA subgenus PITCAIRNIA section PHLOMOSTACHYS (Beer)

L. B. Smith, comb. nov.

Phlomostachys Beer, Bromel. 16, 45. 1857.

Pitcairnia subgenus Phlomostachys Baker, Handb. Bromel. 90.

1889; emend. Mez in DC. Monogr. Phan. 9: 358, 447. 1896.

PITCAIRNIA subgenus PITCAIRNIA section NEUMANNIA (Brongn.)

L. B. Smith, comb. nov.

Neumannia Brongn. Ann. Sci. Nat. II. 15: 369. 1841.

Pitcairnia subgenus Neumannia Baker, Journ. Bot. 19: 228. 1881;

emend. Mez in DC. Monogr. Phan. 9: 359, 452. 1896.

ECUADOR

TILLANDSIA CERNUA L. B. Smith, sp. nov.

In systema artificiosa Vriesia tequendamae (André) L. B. Smith proxima sed vaginis foliorum amplissimis cum laminis subaequilongis, bracteis florigeris ecarinatis membranaceis dense cinereo-lepidotis, petalis nudis differt.

Short-caulescent, to 7 cm. long with the inflorescence extended; leaves suberect, 4 dm. long, densely appressed-lepidote, sheaths very ample, nearly as long as the blades, dark castaneous, blades narrowly triangular, acuminate, 5 cm. broad at the base, involute, cinereous; scape 6 mm. or more in diameter, white-flocculose becoming glabrous, its upper third decurved; scape-bracts erect, densely imbricate, the upper ovate, acute, subchartaceous, densely cinereous-lepidote; inflorescence densely bipinnate, fusiform, 24 cm. long, 5 cm. in diameter; primary bracts like the upper scape-bracts, nearly equaling the spikes, rose-red; spikes strict, fusiform, 10 cm. long, 15 mm. wide, scarcely complanate; floral bracts lanceolate, acute, 8 cm. long, ecarinate, membranaceous with broad nerveless margins, densely cinereous-lepidote; pedicels very short; sepals lanceolate, acute, 27 mm. long, very short-connate, thin, glabrous, thickened medianly but not truly carinate; petals linear, pale green, naked; stamens nearly equaling the petals, the anthers ellipsoid, black. Pl. I, fig. 1: Habit x 1/10; fig. 2: Primary bract and spike x 1/2; fig. 3: Sepal x 1.

Type in the U. S. National Herbarium Nos. 1,985,896 to 1,985,898, collected on trees, páramo, between Oña and Cuenca, Province of Azuay, Ecuador, altitude 3600 meters, December 3, 1948, by M. B. Foster (No. 2621).

VRIESIA DREWII L. B. Smith, sp. nov.

A V. arpocalyce (André) L. B. Smith, cui verisimiliter affi-

nis, spicis angustis, bracteis florigeris densissime imbricatis, sepalis subduplo majoribus, petalis maximis differt.

Stemless (?), 35 cm. high with the inflorescence extended; leaves 30 cm. long, covered with fine appressed scales, sheaths broadly ovate, small and merging with the blades, castaneous, blades narrowly triangular, acuminate, flat, 3 cm. wide, gray-green; scape shorter than the leaves, curved; scape-bracts erect, densely imbricate, the upper broadly ovate with a long caudate apex, subchartaceous when dry, brown-lepidote; inflorescence densely bipinnate, ellipsoid, 12 cm. long exclusive of the petals; primary bracts like the upper scape-bracts but elliptic and merely apiculate, slightly more than half as long as the spikes, pale red; spikes lanceolate, acute, complanate, 10 cm. long, 4-5-flowered; floral bracts linear-lanceolate, 6 cm. long, sharply carinate, thin, white-lepidote; pedicels very short, brown-flocculose; sepals linear-lanceolate, 48 mm. long, very short-connate, thin, nerved, sparsely lepidote; petals linear, 12 cm. long, greenish yellow, bearing 2 large acute scales at the base; stamens about equaling the petals. Pl. I, fig. 4: Habit x 1/10; fig. 5: Primary bract and spike x 1/2; fig. 6: Base of petal x 1; fig. 7: Sepal x 1.

Type in the U. S. National Herbarium, No. 2,143,470, collected in wet rain forest, La Floresta, near Sigsipamba, Province of Imbabura, Ecuador, altitude 9200 meters, June 9, 1944, by W. B. Drew (No. E-284).

PERU

TILLANDSIA MICANS L. B. Smith, sp. nov.

A *T. cauligera* Mez, cui affinis, laminis foliorum elongatis, bracteis florigeris glabris ludicisque, petalis albis differt.

Short-caulescent; leaves densely polystichous, 25 cm. long, covered with appressed cinereous scales, sheaths inconspicuous and merging with the blades, blades narrowly triangular, filiform-acuminate, 15 mm. wide at the base; scape slender, sulcate, glabrous; scape-bracts erect, densely imbricate, the lower subfoliaceous, the upper broadly elliptic, apiculate, glabrous, lustrous, subcoriaceous, nerved near the margin; inflorescence simple, lanceolate, acute, complanate, 10 cm. long, 2 cm. wide, 10-flowered; floral bracts like the scape-bracts but broadly obtuse with a subapical point, 3 cm. long, ecarinate, exceeding the sepals; pedicels very short; sepals lanceolate, obtuse, 23 mm. long, thin with wide membranaceous margins, nerved, glabrous; petals white, the blades elliptic, 12 mm. long; stamens included, the filaments straight. Pl. I, fig. 8: Habit x 1/10; fig. 9: Inflorescence x 1/2; fig. 10: Sepal x 1.

Type in the U. S. National Herbarium, No. 2,220,110, collected in xerophytic scrub, near Calca, Province of Calca, Department of Cuzco, Peru, altitude 3100 meters, August 7, 1954, by Ramón Ferreyra (No. 9879).

Plate I

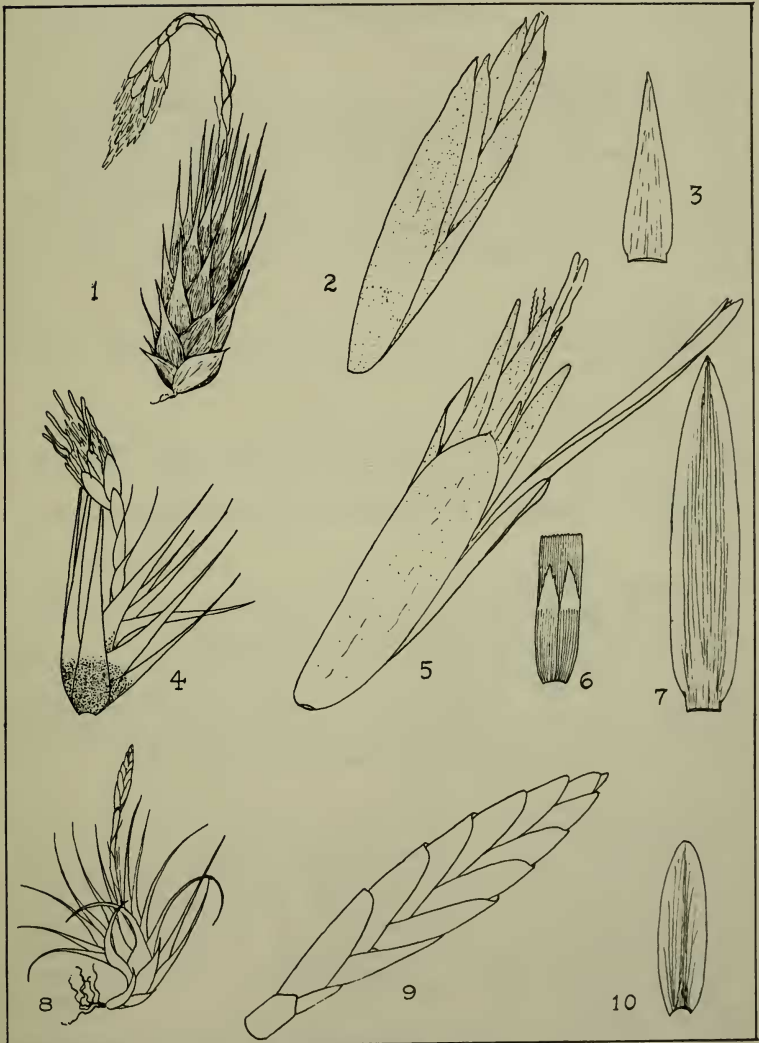


Fig. 1-3: *Tillandsia cernua*; fig. 4-7: *Vriesia drewii*; fig.

8-10: *Tillandsia micans*.